

PERFORMANCE ASSESSMENT SYSTEM (PAS) PROJECT

GENERAL INFORMATION

S.No	Description of data elements	Unit	FY 2016-17
1	Demographics		
1.1	Population (Census 2001/2011)	Persons	
1.2	Decadal Growth Rate of the City	%	
1.3	Population (Present Year)	Persons	
1.4	Number of Households (Census 2001/2011)	Number	
1.5	Number of Households (Present Year)	Number	
1.6	Family Size (Census 2001/2011)	Persons	#DIV/0!
1.7	Family Size (Present Year)	Persons	#DIV/0!
1.8	Number of Slums (2001/2011)	Number	
1.9	Number of Slums (Present Year)	Number	
1.10	Number of Slum Households (2001/2011)	Number	
1.11	Number of Slum Households (Present Year)	Number	
1.12	Number of Properties (2001/2011)	Number	
1.13	Number of Properties (Present Year)	Number	
1.14	Number of Election Wards (2001/2011)	Number	
1.15	Number of Election Wards (Present Year)	Number	
1.16	Town/City Area (Census 2001/2011)	sq.km	
1.17	Present Town/City Area	sq.km	
1.18	Population Density (Present Year)	Persons / sq. km	
1.19	Number of Commercial and other establishments (offices, institutions, markets), Hotels and Restaurants (Year 2001/2011)	Number	
1.20	Number of Commercial and other establishments (offices, institutions, markets, Hotels and Restaurants)(Present Year)	Number	

Remark

Remark

2 Service Provider Details - Water Supply

2.1	Name of Town/City		
2.2	Name of the Department/Unit		
2.3	Name of the Head of Department/Unit		
2.4	Designation of the Department Head		
2.5	Address		
2.6	Telephone Number		
2.7	Mobile Number		
2.8	Fax Number		
2.9	Email		
2.10	Website		
2.11	Name of the Contact Person		
2.12	Designation of the contact person		
2.13	Address		
2.14	Telephone Number		
2.15	Mobile Number		
2.16	Fax Number		
2.17	Email		
2.18	Website		

3	Service Provider Details - Sewerage and Drainage	
3.1	Name of Town/ City	
3.2	Name of the Department/Unit	
3.3	Name of the Head of Department/Unit	
3.4	Designation of the Department Head	
3.5	Address	
3.6	Telephone Number	
3.7	Mobile Number	
3.8	Fax Number	
3.9	Email	
3.10	Website	
3.11	Name of the Contact Person	
3.12	Designation of the contact person	
3.13	Address	
3.14	Telephone Number	
3.15	Mobile Number	
3.16	Fax Number	
3.17	Email ID	
3.18	Website	
4	Service Provider Details - Solid Waste Management	
4.1	Name of Town/Utility	
4.2	Name of the Department	
4.3	Name of the Head of the Department	
4.4	Designation of the Head of the Department	
4.5	Address	
4.6	Telephone Number	
4.7	Mobile Number	
4.8	Fax Number	
4.9	Email ID	
4.10	Website	
4.11	Name of the Contact Person	
4.12	Designation of the Contact Person	
4.13	Address	
4.14	Telephone Number	
4.15	Mobile Number	
4.16	Fax Number	
4.17	Email ID	
4.18	Website	
5	Service Provider Details - Slums	
5.1	Name of Town/Utility	
5.2	Name of the Contact Person for Information related to slums	
5.3	Designation	
5.4	Address	
5.5	Telephone Number	
5.6	Mobile Number	
5.7	Fax Number	
5.8	Email	
5.9	Website	
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PERFORMANCE ASSESSMENT SYSTEM (PAS) PROJECT

WATER SUPPLY

S.No	Description of data elements	Unit	FY 2016-17
1	COVERAGE OF WATER SUPPLY CONNECTIONS	%	#DIV/0!
	<i>Water Service Coverage - Number of Connections</i>		
1.1	Domestic Connections (Metered Functional)	Number	
1.2	Domestic Connections (Metered Non-Functional)	Number	
1.3	Domestic Connections (Unmetered)	Number	
	Domestic connections (Total)	Number	0
1.4	Bulk supply Apartments (Metered Functional)	Number	
1.5	Bulk supply Apartments (Metered Non-Functional)	Number	
1.6	Bulk supply Apartments (Unmetered)	Number	
	Bulk supply Apartments (Total)	Number	0
1.7	Bulk supply Layouts/Societies (Metered Functional)	Number	
1.8	Bulk supply Layouts/Societies (Metered Non-Functional)	Number	
1.9	Bulk supply Layouts/societies (Unmetered)	Number	
	Bulk supply Layouts/Societies (Total)	Number	0
1.10	Others - Specify (Metered Funtional)	Number	
1.11	Others - Specify (Metered Non-Functional)	Number	
1.12	Others - Specify (Unmetered)	Number	
	Others - Specify (Total)	Number	0
	Total Number of Water Supply Connections - Residential	Number	0
	<i>Water Service Coverage - Households Served</i>	<i>Unit</i>	<i>FY 2016-17</i>
1.13	Households served by Domestic Connections	Number	
1.14	Households served by Bulk supply - Apartments	Number	
1.15	Households served by Bulk supply - Layouts/Societies	Number	
	Total Households served with Water Supply	Number	0
	<i>*Households served by own sources such as wells, handpumps shall not be included</i>		
2	PER CAPITA SUPPLY OF WATER	LPCD	#DIV/0!
	<i>Water Production Capacity</i>	<i>Unit</i>	<i>FY 2016-17</i>
2.1	Installed Capacity of Treatment Plants for Surface Water Sources	MLD	
2.2	Volume of water produced through Surface Water Sources	MLD	
2.3	Installed Capacity of Treatment Plants for Ground Water Sources	MLD	
2.4	Volume of water produced through Ground water (power pumps)	MLD	
2.5	Volume of water produced through any Other Sources	MLD	
	Total Installed Capacity	MLD	0
	Total Volume of water produced	MLD	0
	<i>Water Consumption</i>	<i>Unit</i>	<i>FY 2016-17</i>
2.6	Volume of water billed from Domestic Connections	MLD	
2.7	Volume of water billed from Bulk supply Apartments	MLD	
2.8	Volume of water billed from Bulk supply Layouts/Societies	MLD	
2.9	Volume of water billed from Non domestic Connections	MLD	
2.10	Volume of water billed from Public taps	MLD	
2.11	Volume of water billed from any other sources	MLD	
	Total Volume of water billed	MLD	0
2.12	Total Volume of water unbilled (free supplies to Public taps)	MLD	
2.13	Total Volume of water unbilled (free connections eg. Religious institutions etc)	MLD	

3	EXTENT OF NON REVENUE WATER (NRW)	%	#DIV/0!
3.1	Total Volume of Water Produced	MLD	0.00
3.2	Total Volume of Water Billed	MLD	0.00
4	EXTENT OF METERING OF WATER SUPPLY CONNECTIONS	%	#DIV/0!
4.1	Non domestic incl. commercial/Indus/Instl. (Metered Functional)	Number	
4.2	Non domestic incl. commercial/Indus/Instl. (Metered Non-Functional)	Number	
4.3	Non domestic incl. commercial/Indus/Instl. (Unmetered)	Number	
	Non domestic incl. commercial/Indus/Instl. (Total)	Number	0
4.4	Public taps (Metered Functional)	Number	
4.5	Public taps (Metered Non-Functional)	Number	
4.6	Public taps (Unmetered)	Number	
	Public Taps (Total)	Number	0
	Total number of metered and functional connections (domestic, bulk supply, others)	Number	0
	Total number of Water Supply Connections	Number	0
5	CONTINUITY OF WATER SUPPLY	Hours per Day	0.00
	<i>Water Supply Frequency</i>	Unit	FY 2016-17
5.1	Days of supply per month	Number	
5.2	Average duration of each supply	Hours	
6	EFFECIENCY OF REDRESSAL OF COMPLAINTS	%	#DIV/0!
	<i>Consumer Services</i>	Unit	FY 2016-17
6.1	Complaints received during the year	Number	
6.2	Complaints resolved within 24 hours during the year	Number	
7	QUALITY OF WATER SUPPLIED		#DIV/0!
	<i>Treated Water Quality Surveilance</i>	Unit	FY 2016-17
7.1	Residual Chlorine - No. of Samples taken at the source/outlet of Water Treatment Plant (in a year)	Number	
7.2	Residual Chlorine - No. of Samples taken at intermediate points (in a year)	Number	
7.3	Residual Chlorine - No. of Samples taken at consumer end (in a year)	Number	
7.4	Total Samples taken for Residual Chlorine tests (if location wise samples are not available)	Number	
	Total Samples taken for Residual Chlorine tests	Number	0
7.5	Number of Samples Passed	Number	
7.6	Physical/Chemical - No. of Samples taken at the source/outlet of Water Treatment Plant (in a year)	Number	
7.7	Physical/Chemical - No. of Samples taken at intermediate points (in a year)	Number	
7.8	Physical/Chemical - No. of Samples taken at consumer end (in a year)	Number	
7.9	Total Samples taken for Physical/Chemical tests (if location wise samples are not available)	Number	
	Total Samples taken for Physical and Chemical tests	Number	0
7.10	Number of Samples Passed	Number	
7.11	Bacteriological - No. of Samples taken at the source/outlet of Water Treatment Plant (in a year)	Number	
7.12	Bacteriological - No. of Samples taken at intermediate points (in a year)	Number	

7.13	Bacteriological - No. of Samples taken at consumer end (in a year)	Number	
7.14	Total Samples taken for Bacteriological tests (if location wise samples are not available)	Number	
	Total Samples taken for Bacteriological tests	Number	0
7.15	Number of Samples Passed	Number	
	Total Number of Samples taken for all types of tests	Number	0
	Total Tests Passed	Number	0

8 COST RECOVERY IN WATER SUPPLY SERVICES		%	#DIV/0!
	<i>Financial Information - Operating Expenses</i>	<i>Unit</i>	<i>FY 2016-17</i>
8.1	Regular Staff and administration	Rs. Lakhs	
8.2	Outsourced/Contract Staff Costs	Rs. Lakhs	
8.3	Electricity Charges/Fuel Costs	Rs. Lakhs	
8.4	Chemical Costs	Rs. Lakhs	
8.5	Repairs/Maintenance Costs	Rs. Lakhs	
8.6	Bulk (Raw/Treated) Water Charges	Rs. Lakhs	
8.7	Other Costs	Rs. Lakhs	
	Total Operating Expenditure	Rs. Lakhs	0.00
	<i>Financial Information - Operating Revenues</i>	<i>Unit</i>	<i>FY 2016-17</i>
8.8	Arrears at the beginning of previous year	Rs. Lakhs	
8.9	Revenue demand from user charges	Rs. Lakhs	
8.10	Revenue demand from tax/cess - Water Service only	Rs. Lakhs	
8.11	Revenue demand from other revenues (eg. connection costs/Donations etc)	Rs. Lakhs	
	Total Revenue Demand for previous year	Rs. Lakhs	0.00

9 COLLECTION EFFICIENCY OF WATER SUPPLY RELATED CHARGES		%	#DIV/0!
		<i>Unit</i>	<i>FY 2016-17</i>
9.1	Total Revenue Demand for previous year (from user charges, taxes etc)	Rs. Lakhs	0.00
9.2	Collection against arrears	Rs. Lakhs	
9.3	Collection against the current demand of previous year	Rs. Lakhs	

Additional Information			
10	Staff Information	Unit	FY 2016-17
10.1	Senior Management (Sanctioned)	Number	
10.2	Senior Management (Working)	Number	
10.3	Engineers (Sanctioned)	Number	
10.4	Engineers (Working)	Number	
10.5	Clerks/Accountants (Sanctioned)	Number	
10.6	Clerks/Accountants (Working)	Number	
10.7	Work Inspectors/Meter Readers (Sanctioned)	Number	
10.8	Work Inspectors/Meter Readers (Working)	Number	
10.9	Electricians/Fitters (Sanctioned)	Number	
10.10	Electricians/Fitters (Working)	Number	
10.11	Lines men/plumbers (Sanctioned)	Number	
10.12	Lines men/plumbers (Working)	Number	
10.13	Labourers (Sanctioned)	Number	
10.14	Labourers (Working)	Number	
	Total (Sanctioned)	Number	0
	Total (Working)	Number	0

	Connection Costs for Water Connections		
10.15	Residential - General	Rs	
10.16	Residential - Urban Poor	Rs	
10.17	Institutional	Rs	
10.18	Commercial	Rs	
10.19	Industrial	Rs	
	Water Tariff Structure - Flat Rate Tariff		
10.20	Residential - General	Rs./Month	
10.21	Residential - Urban Poor	Rs./Month	
10.22	Institutional	Rs./Month	
10.23	Commercial	Rs./Month	
10.24	Industrial	Rs./Month	
	Water Tariff Structure - Volumetric Tariff		
10.25	Residential - General	Rs./KL	
10.26	Residential - Urban Poor	Rs./KL	
10.27	Institutional	Rs./KL	
10.28	Commercial	Rs./KL	
10.29	Industrial	Rs./KL	

	Remark		
	Remark		

S.No	WATER SUPPLY INDICATOR VALUES	Unit	FY 2016-17
1	Coverage of water supply connections	%	#DIV/0!
2	Per capita supply of water (<i>At consumer end</i>)	Lpcd	#DIV/0!
3	Extent of metering of water connections	%	#DIV/0!
4	Extent of Non Revenue Water	%	#DIV/0!
5	Continuity of water supply	Hours/Day	0.00
6	Efficiency in redressal of customer complaints	%	#DIV/0!
7	Quality of water supplied	%	#DIV/0!
8	Cost recovery in water supply services	%	#DIV/0!
9	Efficiency in collection of water supply related charges	%	#DIV/0!

S.No	WATER SUPPLY RELIABILITY GRADES	FY 2016-17
	Indicator	
1	Coverage of water supply connections	D
2	Per capita supply of water (<i>At consumer end</i>)	D
3	Extent of metering of water connections	D
4	Extent of Non Revenue Water	D
5	Continuity of water supply	D
6	Efficiency in redressal of customer complaints	D
7	Quality of water supplied	D
8	Cost recovery in water supply services	D
9	Efficiency in collection of water supply related charges	D

S.No	Local Action Indicators	Unit	FY 2016-17
1	% of population with access to improved water services	%	#DIV/0!
2	Spatial coverage of distribution network	%	0
3	Drive for identifying and regularizing illegal connections	Y/N	0
4	% illegal connections	%	#DIV/0!
5	% of identified illegal connections that are regularized	%	0
6	Regular annual assessment of available sources	Y/N	0
7	Per capita supply of water	lpcd	#DIV/0!
8	Average pressure at WDS	meters	0
9	Average pressure at consumer end	meters	0
10	Days of supply (per month)	days	0
11	% of water sample tests for bacteriological	%	#DIV/0!
12	Pumps repaired/replacement	%	#DIV/0!
13	Unit electricity cost of production of water supply	Rs/Kl	#DIV/0!
14	Recruited (working) staff to sanctioned staff in water supply	%	#DIV/0!
15	Total Staff (regular and contract) per 1000 water supply connections	No.	#DIV/0!
16	Per capita revenue expenditure (ULB)	Rs.	#DIV/0!
17	Studies/ actions on detailed energy audits	Y/N	0
18	Average revenue per water connection	Rs	#DIV/0!
19	Per capita revenue income (ULB)	Rs.	#DIV/0!
20	Studies and actions for preliminary water audit	Y/N	0
21	% water losses from source to water treatment plant (WTP)	%	#DIV/0!
22	% water losses from WTP to water distribution station (WDS)	%	#DIV/0!
23	% water losses from WDS to final consumption (includes both leakage on service connections and unauthorized consumption)	%	#DIV/0!
24	Number of pipe breaks per km length of network	No.	#DIV/0!
25	% of network refurbished	km	#DIV/0!
26	% authorized and unbilled consumption to total supply (Free supply)	%	#DIV/0!
27	Periodic monitoring and analysis of complaints	Y/N	0
28	Total complaints in water supply per 1000 connections per year	No.	#DIV/0!
29	% of meters that are functional	%	0

30	Annual cost of water losses (real and apparent)	Rs. In lakhs	#DIV/0!
31	% of connections that are metered	%	#DIV/0!
32	Presence of automated billing systems	Y/N	N
33	Billed arrears to total billed demand	%	#DIV/0!
34	Updation and linkage of connections with billing systems	Y/N	N
35	Outsourcing collection systems	Y/N	0

PERFORMANCE ASSESSMENT SYSTEM (PAS) PROJECT

SANITATION AND DRAINAGE

S.No	Description of data elements	Unit	FY 2016-17
1	COVERAGE OF TOILETS	%	#DIV/0!
	<i>Sanitation Coverage</i>		
1.1	Total Number of Properties in the City	Number	0
1.2	Properties with toilets	Number	
1.3	Households dependent on functional community toilets	Number	
	Total Number of Properties with access to toilets	Number	0
2	COVERAGE OF SEWAGE NETWORK SERVICES	%	#DIV/0!
2.1	Total Number of Properties in the City	Number	0
2.2	Properties with sewer connections	Number	
2.3	Properties with onsite sanitary disposal	Number	
	COLLECTION EFFICIENCY OF SEWAGE NETWORK	%	#DIV/0!
	<i>Waste Water Production - Volume of Water Consumed and Waste Water Generated</i>	<i>Unit</i>	<i>FY 2016-17</i>
3.1	Volume of water consumed and billed from Domestic Connections	MLD	0.0
3.2	Volume of water consumed and billed from Bulk supply - Apartments	MLD	0.0
3.3	Volume of water consumed and billed from Bulk supply - Layouts/Societies	MLD	0.0
3.4	Volume of water consumed and billed from Non domestic Connections	MLD	0.0
3.5	Volume of water consumed (both billed and unbilled) from Public taps	MLD	0.0
3.6	Volume of water from free supplies (other connections)	MLD	0.0
3.7	Volume of water consumed and billed from any other ULB sources	MLD	0.0
3.8	Volume of water consumed from any Non ULB water sources	MLD	
3.9	Total Water Consumption (billed and unbilled) from ULB and Non ULB sources)	MLD	0.0
3.10	Volume of waste water generated from Domestic Water Consumption	MLD	0.0
3.11	Volume of waste water generated from Bulk Supply - Apartments	MLD	0.0
3.12	Volume of waste water generated from Bulk Supply - Layouts/Societies	MLD	0.0
3.13	Volume of waste water generated from Non Domestic Water Consumption	MLD	0.0
3.14	Volume of waste water generated from Public Tap Water Consumption	MLD	0.0
3.15	Volume of waste water generated from free supplies (other connections)	MLD	0.0
3.16	Volume of waste water generated from other ULB source water consumption	MLD	0.0
3.17	Volume of waste water generated from Non ULB source Water consumption	MLD	0.0
	Total Waste Water Generated	MLD	0.0
	<i>Waste Water Collection and Treatment</i>	<i>Unit</i>	<i>FY 2016-17</i>
3.18	Volume of sewage actually treated at the Primary Treatment Plant	MLD	
3.19	Volume of sewage actually treated at Secondary Treatment Plant	MLD	
	Total Volume of Waste Water collected and Treated at Sewage Treatment Plants	MLD	0

4	ADEQUACY OF SEWAGE TREATMENT CAPACITY	%	#DIV/0!
4.1	Installed Capacity of Primary Treatment Plant	MLD	
4.2	Installed Capacity of Secondary Treatment Plant	MLD	
4.3	Total Installed Capacity (Primary + Secondary Treatment)	MLD	0
4.4	Total Waste Water Generated	MLD	0.0

5	EXTENT OF REUSE AND RECYCLING OF SEWAGE	%	#DIV/0!
5.1	Volume of sewage actually treated at Secondary Treatment Plant	MLD	0
5.2	Volume of treated waste water reused after Secondary Treatment	MLD	

6	QUALITY OF SEWAGE TREATMENT	%	#DIV/0!
	<i>Discharge Compliance after Secondary Treatment of Sewage</i>	Unit	FY 2016-17
6.1	Number of Treated Effluent Samples Tested in a year	Number	
6.2	Number of Treated Effluent Samples Passed in a year	Number	

7	EFFICIENCY IN REDRESSAL OF CUSTOMER COMPLAINTS	%	#DIV/0!
	<i>Consumer Services</i>	Unit	FY 2016-17
7.1	Sewage related Complaints received during the year	Number	
7.2	Sewage related Complaints resolved within 24 hours during the year	Number	

8	EXTENT OF COST RECOVERY IN SEWAGE MANAGEMENT	%	#DIV/0!
	<i>Financial Information - Annual Operating Expenses</i>	Unit	FY 2016-17
8.1	Regular Staff and Administration	Rs. Lakhs	
8.2	Outsourced /Contract Staff Costs	Rs. Lakhs	
8.3	Electricity Charges /Fuel Costs	Rs. Lakhs	
8.4	Chemicals Costs	Rs. Lakhs	
8.5	Repairs/Maintenance Costs	Rs. Lakhs	
8.6	Contractor Costs for O&M	Rs. Lakhs	
8.7	Others (Specify)	Rs. Lakhs	
	Total Annual Operating Expenses	Rs. Lakhs	0.00
	<i>Financial Information - Annual Operating Revenues</i>	Unit	FY 2016-17
8.8	Arrears at the beginning of previous year	Rs. Lakhs	
8.9	Revenue demand from user charges - sewerage only	Rs. Lakhs	
8.10	Revenue demand from tax/cess - sewerage only	Rs. Lakhs	
8.11	Revenue demand from other sources (eg. connection costs/donations etc.)	Rs. Lakhs	
	Total Revenue Demand of the previous year (Current Demand of previous year)	Rs. Lakhs	0.00

9	EFFICIENCY IN COLLECTION OF SEWAGE CHARGES		#DIV/0!
		Unit	FY 2016-17
9.1	Total Revenue Demand of the previous year (Current Demand of previous year)	Rs. Lakhs	0.00
9.2	Collection against arrears	Rs. Lakhs	
9.3	Collection against current demand	Rs. Lakhs	

Storm Water Drainage Data			
10	COVERAGE OF STORM WATER DRAINAGE NETWORK	%	#DIV/0!
		Unit	FY 2016-17
10.1	Total Length of Road Network	Kilometers	
10.2	Total Length of Pucca covered drains	Kilometers	
	INCIDENCE OF WATER LOGGING/FLOODING	Number	0
10.3	Number of Flood Prone Points in the city	Number	
10.4	Average Frequency of Flooding	Number	

Additional Information			
11	Staff Information	Unit	FY 2016-17
11.1	Senior Management (Sanctioned)	Number	
11.2	Senior Management (Working)	Number	
11.3	Engineers (Sanctioned)	Number	
11.4	Engineers (Working)	Number	
11.5	Clerks/Accountants (Sanctioned)	Number	
11.6	Clerks/Accountants (Working)	Number	
11.7	Labourers/Cleaners (Sanctioned)	Number	
11.8	Labourers/Cleaners (Working)	Number	
	Total (Sanctioned)	Number	0
	Total (Working)	Number	0
Septage Management			
11.9	Does the ULB practice septage management	Yes/No	
11.10	Septage sucking machines available within ULB	Number	
11.11	Private Septage machines licenced by ULB	Number	
Connection Costs for Sewerage Connections			
11.12	Residential - General	Rs	
11.13	Residential - Urban Poor	Rs	
11.14	Institutional	Rs	
11.15	Commercial	Rs	
11.16	Industrial	Rs	
Sewerage Tariff Structure - Flat Rate Tariff			
11.17	Residential - General	Rs./Month	
11.18	Residential - Urban Poor	Rs./Month	
11.19	Institutional	Rs./Month	
11.20	Commercial	Rs./Month	
11.21	Industrial	Rs./Month	
Sewerage Tariff Structure - Volumetric Tariff			
11.22	Residential - General	Rs./KL	
11.23	Residential - Urban Poor	Rs./KL	
11.24	Institutional	Rs./KL	
11.25	Commercial	Rs./KL	
11.26	Industrial	Rs./KL	

	Remark	
	Remark	

S.No	SEWERAGE SERVICE INDICATOR VALUES	Unit	FY 2016-17
1	Coverage of Toilets	%	#DIV/0!
2	Coverage of sewage network services	%	#DIV/0!
3	Collection efficiency of sewerage networks	%	#DIV/0!
4	Adequacy of sewage treatment capacity	%	#DIV/0!
5	Extent of reuse and recycling of sewage	%	#DIV/0!
6	Quality of sewage treatment	%	#DIV/0!
7	Efficiency in redressal of customer complaints	%	#DIV/0!
8	Extent of cost recovery in sewage management	%	#DIV/0!
9	Efficiency in collection of sewage charges	%	#DIV/0!
S.No	SAN BENCHMARK* (SANITATION REVISED INDICATORS)	Unit	FY 2016-17
2	Coverage of households with adequate sanitation system	%	#DIV/0!
3	Collection efficiency of sanitation system (weighted average)	%	#DIV/0!
4	Adequacy of treatment capacity of sanitation system (weighted average)	%	#DIV/0!
5	Extent of reuse and recycling in sanitation system (weighted average)	%	#DIV/0!
6	Quality of treatment of sanitation system	%	#DIV/0!
S.No	STORM WATER DRAINAGE SERVICE INDICATOR VALUES	Unit	FY 2016-17
1	Coverage of storm water drainage network	%	#DIV/0!
2	Incidence of water logging/flooding	Number	0

S.No	SEWERAGE SERVICE RELIABILITY GRADES	FY 2016-17
S.No.	Indicator	
1	Coverage of Toilets	D
2	Coverage of sewage network services	D
3	Collection efficiency of sewerage networks	D
4	Adequacy of sewage treatment capacity	D
5	Extent of reuse and recycling of sewage	D
6	Quality of sewage treatment	D
7	Efficiency in redressal of customer complaints	D
8	Extent of cost recovery in sewage management	D
9	Efficiency in collection of sewage charges	D
S.No	STORM WATER DRAINAGE SERVICE RELIABILITY GRADES	FY 2016-17
S.No.	Indicator	
1	Coverage of Storm Water Drainage Network	C
2	Incidence of water logging/flooding	B
S.No	SAN BENCHMARK (SANITATION REVISED INDICATORS)* RELIABILITY GRADES	FY 2016-17
S.No.	Indicator	
2	Coverage of households with adequate sanitation system	D
3	Collection efficiency of sanitation system (weighted average)	D
4	Adequacy of treatment capacity of sanitation system (weighted average)	D
5	Extent of reuse and recycling in sanitation system (weighted average)	D
6	Quality of treatment of sanitation system	#DIV/0!

S.No	Local Action Indicators	Unit	FY 2016-17
1	Coverage of households with toilets (individual + community toilets)	%	#DIV/0!
2	% of functional community toilet seats	%	na
3	Coverage of sewerage network (% of area covered with sewer network)	%	#DIV/0!
4	Coverage of sullage/greywater network (open+covered)	%	#DIV/0!
5	% of HHs connected to sewer network	%	#DIV/0!
6	% of HHs connected to septic tank*	%	#DIV/0!
7	% of septic tanks as per design standards	%	na

8	% of HHs connected to twin pit / other safe system	%	#DIV/0!
9	% illegal sewer network connections	%	#DIV/0!
10	% of identified illegal sewer network connections that are regularized	%	0
11	Staff for wastewater per km length of sewer	Number	#DIV/0!
12	% of septic tanks connected to settled sewer/ drains for effluent disposal*	%	na
13	% of septic tanks connected to soak pit for effluent disposal*	%	na
14	Collection efficiency of sewer network* <i>(based on WW generated from HHs dependent on sewerage system)</i>	%	#DIV/0!
15	Collection efficiency of septage*	%	#DIV/0!
16	Collection efficiency of effluent (from septic tank) and grey water*	%	na
17	Adequacy of sewage treatment facility (underground sewerage system)*	%	na
18	Adequacy of septage treatment facility*	%	na
19	Adequacy of effluent (from septic tank) and grey water treatment facility*	%	na
20	Presence of master plan for sewage system	Y/N	0
21	PSP in O & M operations for sewerage	Y/N	0
22	PSP in septic tank cleaning services*	Y/N	N
23	User charges levied per emptying of septic tank / single pit*	Rs	0
24	Presence of septage treatment facilities	Y/N	0
25	Total number of septage sucking machines available	Number	0
26	% of septic tanks cleaned annually	%	na
27	Quality of septage treatment*	%	nd
28	Quality of effluent and grey water treatment*	%	nd
29	Extent of reuse and recycling of treated septage*	%	0
30	Extent of reuse and recycling of treated effluent (from septic tank and grey water) *	%	na
31	Unit electricity cost of wastewater generated	Rs/Kl	#DIV/0!
32	% of total staff to sanctioned staff in wastewater	%	na
33	Total Staff (regular and contract) per 1000 waste water connections	Number	na
34	Average revenue per connection	Rs	na
35	Total complaints in waste water per 1000 connections	Ratio	na
36	Frequency of sewer overflows	Number	0
37	Billed arrears to total billed demand	%	na

NOTE: * These indicators were introduced in year 14-15 under the San-Benchmark framework
(Citywide assessment of sanitation service delivery - Including onsite sanitation)

PERFORMANCE ASSESSMENT SYSTEM (PAS) PROJECT

SOLID WASTE MANAGEMENT

S.No	Description of data elements	Unit	FY 2016-17
1	HOUSEHOLD LEVEL COVERAGE OF SOLID WASTE MANAGEMENT SERVICES		#DIV/0!
	<i>Door to Door Collection - Number of HHs and establishments covered by Door to Door Collection</i>		
1.1	Number of Households covered by Door to Door Collection	Number	
1.2	Number of Hotels and Restaurants covered by Door to Door Collection	Number	
1.3	Number of Commercial Establishments (institutions, offices) covered by Door to Door Collection	Number	
1.4	Number of any other establishments (incl. markets) covered by Door to Door Collection	Number	
1.5	Total number of establishments covered by door to door collection (if typewise establishments is not available)	Number	
	Total Number of Households and Establishments covered by Door to Door Collection	Number	0

2	EFFICIENCY OF COLLECTION OF MUNICIPAL SOLID WASTE		#DIV/0!
	<i>Waste Generation</i>	<i>Unit</i>	<i>FY 2016-17</i>
2.1	Waste Generated by Households	MT/month	
2.2	Waste Generated by Street Sweeping	MT/month	
2.3	Waste Generated by Hotels and Restaurants	MT/month	
2.4	Waste Generated by Markets (Vegetable Markets, Mandis etc)	MT/month	
2.5	Waste Generated by Commercial Establishments (eg. Institutions, etc)	MT/month	
2.6	Waste Generated by other sources (eg. debris, horticulture waste etc)	MT/month	
2.7	Total Waste Generated (if typewise generation is not available)	MT/month	
	Total Waste Generated	MT/month	0.0
	<i>Waste Collection and Transportation - Details of waste received at Processing/ Disposal Facilities</i>		
2.8	Quantity of waste received at processing and recycling facilities	MT/month	
2.9	Quantity of waste received at disposal sites	MT/month	
	Total waste received at processing/disposal facility and recycled	MT/month	0.00
	<i>Waste Collection and Transportation - Details of waste transported to Processing/ Disposal Facilities</i>		
2.10	Number of trucks used for transportation of waste	Number	
2.11	Capacity of each trucks	Metric Tons (MT)	
2.12	Total number of trips made by trucks each day to the disposal site	Trips per day	
	Total quantity of waste collected by trucks	MT/month	0
2.13	Number of dumper placers used for transportation of waste	Number	
2.14	Capacity of each dumper placer	Metric Tons (MT)	
2.15	Total number of trips made by all dumper placers each day to the disposal site	Trips per day	
	Total quantity of waste collected by dumper placers	MT/month	0
2.16	Number of mini lorries used for transportation of waste	Number	
2.17	Capacity of each mini lorry	Metric Tons (MT)	
2.18	Total number of trips made by all mini lorries each day to the disposal site	Trips per day	
	Total quantity of waste collected by mini lorries	MT/month	0
2.19	Number of tractor trailers used for transportation of waste	Number	
2.20	Capacity of each tractor trailer	Metric Tons (MT)	
2.21	Total number of trips made by all tractor trailer each day to the disposal site	Trips per day	
	Total quantity of waste collected by tractor trailer	MT/month	0
2.22	Number of tipper trucks used for transportation of waste	Number	
2.23	Capacity of each tipper trucks	Metric Tons (MT)	
2.24	Total number of trips made by all tipper trucks each day to the disposal site	Trips per day	
	Total quantity of waste collected by tipper trucks	MT/month	0
2.25	Number of 3 wheeler auto tippers used for transportation of waste	Number	
2.26	Capacity of each 3 wheeler auto tipper	Metric Tons (MT)	
2.27	Total number of trips made by all 3 wheeler auto tippers each day to the disposal site	Trips per day	
	Total quantity of waste collected by 3 wheeler auto tippers	MT/month	0
	Total quantity of waste collected and transported to disposal site	MT/month	0

3	EXTENT OF SEGREGATION OF MUNICIPAL SOLID WASTE		#DIV/0!
	<i>Segregation of Waste</i>	Unit	FY 2016-17
3.1	Quantity of waste arriving at Processing/ Disposal facility in segregated	MT/month	
3.2	Quantity of waste taken away by recyclers from intermediate points	MT/month	

4	EXTENT OF MUNICIPAL SOLID WASTE RECOVERED		#DIV/0!
	<i>Quantity of Waste Processing</i>	Unit	FY 2016-17
4.1	Installed Capacity of Composting Plant	MT/month	
4.2	Waste Quantity Input at the Composting Plant	MT/month	
4.3	Installed Capacity of Vermi-composting Plant	MT/month	
4.4	Waste Quantity Input at the Vermi-composting Plant	MT/month	
4.5	Installed Capacity of Refuse Derived Fuel	MT/month	
4.6	Waste Quantity Input at the Refuse Derived Fuel	MT/month	
4.7	Installed Capacity of Bio Methanation/ Waste-to-Energy Plants	MT/month	
4.8	Waste Quantity Input at Bio methanation/ Waste-to-Energy plants	MT/month	
4.9	Installed Capacity of any other processing facilities	MT/month	
4.10	Waste Quantity Input at other processing facilities	MT/month	
	Total Installed Capacity of Processing facilities	MT/month	0
	Total Waste Quantity Input at all types of processing facilities	MT/month	0
4.11	Quantity of waste rejected by processing facilities at intake point	MT/month	
4.12	Quantity of post-processing rejects sent to dumpsite/ landfills	MT/month	
	Total Waste Processed in the ULB	MT/month	0

5	EXTENT OF SCIENTIFIC DISPOSAL OF MUNICIPAL SOLID WASTE		#DIV/0!
	<i>Quantity of Waste Disposal</i>	Unit	FY 2016-17
5.1	Quantity of waste disposed in compliant landfill sites	MT/month	
5.2	Quantity of waste disposed in open dump sites	MT/month	

6	EFFICIENCY IN REDRESSAL OF CUSTOMER COMPLAINTS		#DIV/0!
	<i>Customer Service</i>	Unit	FY 2016-17
6.1	Complaints received during the year	Number	
6.2	Complaints resolved within 24 hours during the year	Number	

7	EXTENT OF COST RECOVERY IN SWM SERVICES		#DIV/0!
	<i>Financial Information - Operational Expenditure on SWM during previous year</i>	Unit	FY 2016-17
7.1	Regular Staff & Administration	Rs. In Lakhs	
7.2	Outsourced/Contracted Staff Costs	Rs. In Lakhs	
7.3	Electricity Charges/Fuel Costs	Rs. In Lakhs	
7.4	Chemical Costs	Rs. In Lakhs	
7.5	Repair/Maintenance Costs	Rs. In Lakhs	
7.6	Contracted Services Cost	Rs. In Lakhs	
7.7	Other Costs (Specify)	Rs. In Lakhs	
	Total Operational Expenses	Rs. In Lakhs	0

	<i>Financial Information - Operational Revenues from SWM during previous year</i>	Unit	FY 2016-17
7.8	Arrears at the end of previous year	Rs. In Lakhs	
7.9	Tax / Cess - Solid Waste only	Rs. In Lakhs	
7.10	User Charges	Rs. In Lakhs	
7.11	Fixed Charges based on Property Tax/ State Taxes/Cess/Surcharges	Rs. In Lakhs	
7.12	Sale of Recyclables	Rs. In Lakhs	
7.13	Sale from processing - compost/energy	Rs. In Lakhs	
7.14	Royalty	Rs. In Lakhs	
7.15	Others (Specify)	Rs. In Lakhs	
	Total Revenue Demand Raised for the previous year	Rs. In Lakhs	0

8	EFFICIENCY IN COLLECTION OF SWM CHARGES		#DIV/0!
		Unit	FY 2016-17
8.1	Total Revenue Demand Raised for the previous year	Rs. In Lakhs	0
8.2	Collection against arrears	Rs. In Lakhs	
8.3	Collection against Current Demand	Rs. In Lakhs	

Additional Information (Optional)

9	Staff Information	Unit	FY 2016-17
9.1	Senior Management-Health Officer (Sanctioned)	Number	
9.2	Senior Management-Health Officer (Working)	Number	
9.3	Sanitary Inspector (Sanctioned)	Number	
9.4	Sanitary Inspector (Working)	Number	
9.5	Sanitary Supervisor (Sanctioned)	Number	
9.6	Sanitary Supervisor (Working)	Number	
9.7	Maistries/Safai Karam chari (Sanctioned)	Number	
9.8	Maistries/Safai Karam chari (Working)	Number	
9.9	Cleaners/Drivers (Sanctioned)	Number	
9.10	Cleaners/Drivers (Working)	Number	
9.11	Labourers (Sanctioned)	Number	
9.12	Labourers (Working)	Number	
9.13	Others Specify	Number	
	Total (Sanctioned)	Number	0
	Total (Working)	Number	0

9.14	Are daily records of waste received at compliant landfill maintained (MS)	Yes/No	
9.15	Is weighbridge available at landfill site?	Yes/No	
9.16	Are daily records of waste received at open dumpsites maintained?	Yes/No	
9.17	Is weighbridge available at dumpsite?	Yes/No	

	User charges	Unit	FY 2016-17
9.18	Residential	Rs./ Month	
9.19	Slum HH	Rs./ Month	
9.20	Commercial Establishment	Rs./ Month	
9.21	Fixed charge through property tax	Rs./ Month	
9.22	Others	Rs./ Month	

	Remark		
	Remark		

S.No	SOLID WASTE MANAGEMENT INDICATORS	Unit	FY 2016-17
1	Household level coverage of solid waste management services	%	#DIV/0!
2	Efficiency of collection of municipal solid waste	%	#DIV/0!
3	Extent of segregation of municipal solid waste	%	#DIV/0!
4	Extent of municipal solid waste recovered	%	#DIV/0!
5	Extent of scientific disposal of municipal solid waste	%	#DIV/0!
6	Extent of cost recovery in solid waste management services	%	#DIV/0!
7	Efficiency in collection of solid waste management charges	%	#DIV/0!
8	Efficiency in redressal of customer complaints	%	#DIV/0!

S.No	SOLID WASTE MANAGEMENT RELIABILITY GRADES	FY 2016-17
1	Household level coverage of solid waste management services	D
2	Efficiency of collection of municipal solid waste	D
3	Extent of segregation of municipal solid waste	D
4	Extent of municipal solid waste recovered	D
5	Extent of scientific disposal of municipal solid waste	D
6	Extent of cost recovery in solid waste management services	D
7	Efficiency in collection of solid waste management charges	D
8	Efficiency in redressal of customer complaints	D

S.No	Local Action Indicators	Unit	FY 2016-17
1	Sweepers per road length swept	Number	#DIV/0!
2	Secondary collection frequency	days	0.0
3	% treatment capacity to solid waste generated	%	#DIV/0!
4	Adequacy of solid waste treatment facilities	%	#DIV/0!
5	PSP in secondary collection / transportation	Y/N	N
6	PSP in treatment and disposal of municipal solid waste	Y/N	N
7	Unit cost of solid waste management services	Rs/tonnes	#DIV/0!
8	Recurited (working) to sanctioned staff in SWM	%	#DIV/0!
9	Total Staff (regular and contract) per 1000 households and establishments	Number	#DIV/0!
10	Average revenue per HH and establishment	Rs	#DIV/0!
11	Total complaints in solid waste per 1000 HH and establishment	Number	#DIV/0!
12	Billed arrears to total billed demand	%	#DIV/0!

PERFORMANCE ASSESSMENT SYSTEM (PAS) PROJECT

EQUITY RELATED INFORMATION

S.No	Description of data elements	Unit	FY 2016-17
1	SLUMS		
	<i>General Details</i>		
1.1	Number of slum settlements	Number	0
1.2	Population in slums	Number	
1.3	Households in slums	Number	0
1.4	Household size in slums	Ratio	#DIV/0!
1.5	Total number of slums notified by state	Number	
1.6	Number of slums that have been de notified in the current year	Number	
	<i>Policy provision for slums</i>	<i>Unit</i>	<i>FY 2016-17</i>
1.7	Does the ULB have a policy to provide individual WSS services to slums?	Y/N	
1.8	Does it exclude non notified slums?	Y/N	
1.9	Are slum settlements covered under property tax assessment?	Y/N	
1.10	<i>If Yes, number of slum settlements covered under property tax assessment</i>	Number	
1.11	Does the ULB have a specific department or cell (e.g. UCD) responsible for service provisions in slums?	Y/N	
1.12	Are external agencies (like NGOs, CBOs,private agencies) involved in service provision to slums?	Y/N	
1.13	Does the ULB earmark funds for the poor in budgetary allocation?	Y/N	
1.14	% of funds allocated in the budget for pro poor activities	%	
1.15	% expenditure for service provision in slums to total ULB expenditure	%	
1.16	Do slum households have options to pay connection charges in installments?	Y/N	
1.17	Specify documents needed to obtain individual water/sewer connections in slums	(1/2/3)	
	<i>1:Property tax bill,2:Ration card,3:Others,specify</i>		
1.18	Have any surveys been conducted as part of programs/ schemes to enhance services in slums?	Y/N	
1.19	<i>If yes, mention program/ scheme under which the surveys have been undertaken?</i>	(1/2/3/4/5/6)	
	<i>1: Nirmal Gujarat, 2: MSNA, 3: IHSDP, 4: JnNURM, 5: MGSM 6:Others, specify</i>		
	<i>Services in slums at city level</i>	<i>Unit</i>	<i>FY 2016-17</i>
1.20	Number of settlements which have an internal water supply network	Number	
1.21	Number of individual water connections in slums	Number	
1.22	<i>Number of new connections given in slums in the current year</i>	Number	
1.23	Number of group connections in slums	Number	
1.24	Number functional stand posts in slums	Number	
1.25	<i>Number of standposts converted to group connections for slums</i>	Number	
1.26	Number of individual toilets in slums	Number	
1.27	<i>Number of individual toilets constructed in slums in current year</i>	Number	
1.28	Number of seats in pay-n-use toilets (functional toilets) in slums	Number	
1.29	Number of seats in community toilets (functional toilets) in slums	Number	
1.30	Number of settlements which have an internal sewage network	Number	
1.31	Number of sewerage connections in slums	Number	
1.32	<i>Number of community and pay-n-use toilets without access to safe disposal systems</i>	Number	
1.33	Number of slum HHs served by door to door collection of MSW	Number	

ADDITIONAL INFORMATION ON WATER SUPPLY			
2	Water supply		
	Network details	Unit	FY 2016-17
2.1	Length of trunk main	km	
2.2	Length of transmission mains	km	
2.3	Length of trunk and/or transmission mains that have undergone renovation	km	
2.4	Length of distribution network	km	
2.5	Number of pipe breaks in the current year	Number	
2.6	Total area under water distribution network	sq.km	
2.7	Length of road network	km	
	Source level details	Unit	FY 2016-17
2.8	Average daily quantity of water supplied from ground sources	MLD	
2.9	Average daily quantity of water supplied from own surface sources	MLD	
2.10	Average daily quantity of water supplied from bulk raw purchase	MLD	
2.11	Average daily quantity of water supplied from bulk treated water	MLD	
2.12	Average daily quantity of water supplied from other sources (desalination, rainwater harvesting, etc)	MLD	
2.13	Total daily quantity of water supplied from source	MLD	0
2.14	Average daily quantity of water supplied from WDS	MLD	
2.15	Average pressure at WDS	meters	
2.16	Average pressure at consumer end	meters	
2.17	Does the ULB conduct regular assessment of availability of sources through preparation of depletion statements, etc?	Y/N	
2.18	Capacity addition/augmentation to present supply of water commissioned over next 3 years from projects/schemes/bulk purchase	MLD	
	Audits	Unit	FY 2016-17
2.19	Has the ULB conducted studies for preliminary or detailed water audits?	Y/N	
2.20	Has the ULB conducted studies for energy audits?	Y/N	
2.21	Number of pumps at water source, treatment and distribution points inspected in the current year	Number	
2.22	Number of pumps replaced/repared in the current year	Number	
	Metering	Unit	FY 2016-17
2.23	% of consumer meters that are functional	%	
2.24	Number of consumer meters that are repaired/replaced in the current year	Number	
2.25	Metered consumption (where consumer meters are functional)	MLD	
2.26	Number of connections exempted from property tax/ water bills	Number	
	Complaint redressal System	Unit	FY 2016-17
2.27	Is a system to record complaints received and redressed properly maintained by the ULB?	Y/N	
2.28	Does the redressal system allow for monitoring and analysing complaints on a regular basis?	Y/N	
	Unauthorised connections	Unit	FY 2016-17
2.29	Does the ULB have any measures to identify and/or regularise illegal connections?	Y/N	
	For Water supply		
2.30	Estimated number of illegal connections	Number	
2.31	% of illegal connections regularised	%	
	For Wastewater		
2.32	Estimated number of illegal connections	Number	
2.33	% of illegal connections regularised	%	

ADDITIONAL INFORMATION ON SEWERAGE AND DRAINAGE			
3	Sewerage and/or sullage network		
	<i>Type of system</i>	<i>Unit</i>	<i>FY 2016-17</i>
3.1	Does the ULB have an underground piped network?	Y/N	
3.2	Total length of underground piped network	km	
3.3	Total area covered by underground piped network	sq. km	
3.4	Does the ULB have a covered drainage network?	Y/N	
3.5	Length of covered drainage network	km	
3.6	Area covered by covered drainage network	sq. km	
3.7	Does the ULB have open drainage network?	Y/N	
3.8	Length of open drainage network	km	
3.9	Area covered by open drainage network	sq. km	
	<i>Augmentation and efficiency of network</i>	<i>Unit</i>	<i>FY 2016-17</i>
3.10	Does the ULB have a plan to develop/augment its sewer network?	Y/N	
3.11	Does the ULB contract out services related to O&M operations for sewerage?	Y/N	
3.12	Number of HHs with individual toilets in the city	Number	
3.13	Number of HHs with toilets connected to sewer network in the city	Number	
3.14	Number of residential sewer connections in the city	Number	
3.15	Number of non-residential sewer connections in the city	Number	
3.16	Total no. of community toilet seats in city	Number	
3.17	Total no. of functional community toilet seats in city	Number	
3.18	Number of functional community toilet seats connected to sewer network	Number	
3.19	Number of sewer overflows reported in the current year	Number	
3.20	Does the ULB have a sewage treatment plant?	Y/N	
3.21	If Yes, specify type of treatment	(1/2/3/4)	
	1: UASB, 2: Activated sludge, 3: Oxidation pond 4: Others		
	<i>Reuse of wastewater</i>	<i>Unit</i>	<i>FY 2016-17</i>
3.22	Does the ULB charge for untreated/treated wastewater that is reused?	Y/N	
3.23	If Yes, please specify the rate for untreated wastewater	Rs/MLD	
3.24	If Yes, please specify the rate for treated wastewater	Rs/MLD	
3.25	Is the untreated waste water being reused?	Y/N	
3.26	If Yes, estimated volume of untreated wastewater reused	MLD	
3.27	If Yes, specify the purpose	(1/2/3)	
	1:Agriculture,2:Sewage farms,3:Others,specify		
	<i>Means of disposal of waste water</i>	<i>Unit</i>	<i>FY 2016-17</i>
3.28	Sullage	(1/2/3)	
3.29	Untreated waste water	(1/2/3)	
3.30	Treated waste water	(1/2/3)	
	1:on land,2:in water bodies,3:Others,specify		
	<i>In areas of ULB/ ULBs with no sewer/drainage network</i>	<i>Unit</i>	<i>FY 2016-17</i>
3.31	Estimated properties connected to septic tanks	Number	
3.32	Households with toilets connected to septic tanks	Number	
3.33	Households connected to septic tank as per design standards	Number	
3.34	Households with septic tank connected to drains / settled sewer	Number	
3.35	Households with toilets with septic tank connected to soak pits	Number	0
3.36	Households with toilets connected to single pit	Number	
3.37	Households with toilets connected to twin pits	Number	
3.38	Households with toilets connected to other safe system (Zero discharge - ecosan toilets, Improved / Package septic tank, Advance onsite treatment - Johkasou, etc)	Number	

3.39	Households with toilets connected to other unsafe system (Night soil disposal, etc)	Number	
3.40	Estimated number of septic tanks/pits in the ULB	Number	
3.41	Estimated number of septic tanks/pits cleaned annually (ULB and Private operators)	Number	
3.42	Total septage generated	Cu.m / Year	#DIV/0!
3.43	Average capacity of septage sucking machine/ vacuum emptier	Cu. M	
3.44	Number of trips in a year by all sucking machine/ vaccum emptier	Number	
3.45	Total volume of septage collected by septage sucking machines	Cu.m / Year	0
3.46	Total quantity of septic tank effluent collected through settled sewer / drain at the inlet of treatment plant / disposal point	MLD	0
3.47	Charge levied by agency for emptying septic tanks inside city limits	Rs/trip	
3.48	Charge levied by agency for emptying tanks outside city limits	Rs/trip	
3.49	Does the ULB have facilities to treat septage?	Y/N	
3.50	If Yes, then specify type of treatment	(1/2/3/4/5)	
	1: At existing STP , 2: Sludge dying bed 3: Mechanical dewatering 4: Anaerobic digester 5: Others then specify		
3.51	If yes, then specify installed capacity of septage treatment facility	Cu.m / Year	
3.52	If yes, then specify quantity of septage received at treatment facility	Cu.m / Year	
3.53	If yes, then specify quantum of treated septage reused after treatment	Kgs / Year	
3.54	Number of Treated Septage Samples Tested in a year	Number	
3.55	Number of Treated Septage Samples Passed in a year	Number	
3.56	Location of disposal of septic tank waste	(1/2/3)	
	1: Sewage treatment plants (inclu. Functional oxidation ponds), 2: Open		
3.57	Does ULB have treatment plant for grey water / effluent collected from settled sewers/drains?	Y/N	
3.58	If yes, specify type of treatment?	(1/2/3/4)	
	1: At existing STP , 2: Pond 3: Lagoons 4: Others		
3.59	If yes, specify installed capacity of treatment plant?	MLD	
3.60	If yes, specify quantity of effluent received at treatment plant	MLD	
3.61	If yes, specify quantity of treated effluent reused	MLD	
3.62	Number of treated effluent samples tested in a year	Number	
3.63	Number of treated effluent samples passed in a year	Number	
ADDITIONAL INFORMATION ON SOLID WASTE MANAGEMENT			
4	Solid Waste Management		
		Unit	FY 2016-17
4.1	Total number of wards in the city	Number	
	Number of wards covered by primary collection agencies for SWM		
4.2	ULB	Number	
4.3	Private	Number	
4.4	Resident Welfare Associations	Number	
4.5	NGO/CBOs	Number	
4.6	Number of sweepers deployed for road sweeping	Number	
4.7	Total length of road swept	km	
4.8	Number of secondary storage bins	Number	
4.9	Capacity of secondary storage bins	tonnes	
4.10	Frequency of secondary collection of waste in a week	days	
	Does the ULB contract out services related to		
4.11	Secondary collection?	Y/N	
4.12	Transportation?	Y/N	
4.13	Treatment?	Y/N	
4.14	Disposal?	Y/N	

ADDITIONAL INFORMATION ON FINANCE			
5	Financial Details for ULB		
	Capital receipts of ULB	Unit	FY 2016-17
5.1	Grants	Rs. In Lakhs	
5.2	Borrowings	Rs. In Lakhs	
5.3	Others	Rs. In Lakhs	
	Total	Rs. In Lakhs	0
	Capital expenditure of ULB	Unit	FY 2016-17
5.4	Water supply	Rs. In Lakhs	
5.5	Wastewater	Rs. In Lakhs	
5.6	MSWM	Rs. In Lakhs	
5.7	Others	Rs. In Lakhs	
	Total	Rs. In Lakhs	0
	Revenue Receipts of ULB	Unit	FY 2016-17
5.8	Own Tax Revenue Income	Rs. In Lakhs	
5.9	Non-Tax Revenue Income	Rs. In Lakhs	
5.10	Revenue Grants & Contribution	Rs. In Lakhs	
	Total	Rs. In Lakhs	0
	Revenue Expenditure of ULB	Unit	FY 2016-17
5.11	Establishment Expenditure	Rs. In Lakhs	
5.12	Operations and maintenance	Rs. In Lakhs	
5.13	Outsourcing / Contract	Rs. In Lakhs	
5.14	Others	Rs. In Lakhs	
	Total	Rs. In Lakhs	0
5.15	Total Extraordinary Income of ULB	Rs. In Lakhs	
5.16	Total Extraordinary Expenditure of ULB	Rs. In Lakhs	
	Property tax details for ULB	Unit	FY 2014-16
5.17	Arrears at the beginning of previous year	Rs. In Lakhs	
5.18	Current year billed demand	Rs. In Lakhs	
5.19	Collection against arrears	Rs. In Lakhs	
5.20	Collection against current year demand	Rs. In Lakhs	
	Outstanding Payments of ULB	Unit	FY 2016-17
5.21	Total payment due to the state electricity board for outstanding electricity bills and penalties	Rs. In Lakhs	
5.22	Total payments due for bulk supply (irrigation, etc.) including charges and penalties	Rs. In Lakhs	
5.23	Repayment of loans	Rs. In Lakhs	
5.24	Others	Rs. In Lakhs	
	Total	Rs. In Lakhs	0
	Improving Collection efficiency	Unit	FY 2016-17
	Does the ULB levy charge in the form of taxes, user fees, etc for providing services related to		
5.25	Water supply?	Y/N	
5.26	Wastewater (Sanitation and Sewerage)?	Y/N	
5.27	MSWM?	Y/N	
5.28	SWD?	Y/N	
5.29	Does the ULB facilitate payment of bills through banks?	Y/N	
5.30	Does the ULB have various mechanisms to facilitate collection of bills at ward level like e-kiosks, civic centres, etc?	Y/N	
5.31	Does the ULB outsource its bill collections to private agencies, etc?	Y/N	
5.32	What is the penalty for late payment?	%	
	Remark		
	Remark		

S.No	EQUITY RELATED INDICATORS	Unit	FY 2016-17
1	Coverage of water supply connections in slums	%	0.0
2	Coverage of individual toilets in slums	%	0.0
3	Coverage of wastewater network services in slums	%	0.0
4	Household level coverage of solid waste management services in slums	%	0.0
S.No	EQUITY RELATED RELIABILITY GRADES		FY 2016-17
1	Coverage of water supply connections in slums		D
2	Coverage of individual toilets in slums		D
3	Coverage of wastewater network services in slums		D
4	Household level coverage of solid waste management services in slums		D
S.No	Local Action Indicators	Unit	FY 2016-17
	Coverage		
1	% of slum settlements having internal water supply network	%	#DIV/0!
2	% of slum settlements having internal wastewater network	%	#DIV/0!
3	Presence of policy enabling provision for services in slums	Y/N	0.0
4	Efforts made to simplify connection procedures for slum HHs	Y/N	Y
5	% of uncovered HHs covered with water connections in slums during the year	%	0.0
6	Number of toilets constructed during the year	Number	0.0
7	% of households defecating in open in slums	%	0.0
8	% of population with access to water services in slums	%	#DIV/0!
9	% of population with access to sanitation services in slums	%	#DIV/0!
10	% budget for pro poor activities	%	0.0
11	Connection charge for urban poor to non poor HHs in water supply	%	#DIV/0!
12	Connection charge for urban poor to non poor HHs in wastewater	%	#DIV/0!
13	% of expenditure in slums to total ULB expenditure	%	0.0
	Parameters for composite score	Unit	FY 2016-17
1	Policy and strategy enabling service provision to slums		
	Does the ULB have any policy that enables provision of services to slums?	Y/N	0
	Does the ULB have any criteria in providing individual connections to slum households?	Y/N	0
	Are external agencies involved in service provisions to slums?	Y/N	0
2	Service provision		
	Does the ULB have a specific department or cell responsible for service provision to slums?	Y/N	0
	Has the ULB provided individual water connections in the current year	Y/N	N
	Has the ULB provided individual toilets in the current year	Y/N	N
	Do 50% or more HHs have individual water connections?	Y/N	N
	Do 50 % or more HHs have individual toilets?	Y/N	N
	Composite score		FY 2016-17
1	Policy and strategy enabling service provision to slums		1
	Does the ULB have any policy that enables provision of services to slums?		0
	Does the ULB have any criteria in providing individual connections to slum households?		1
	Are external agencies involved in service provisions to slums?		0
2	Service provision		0
	Does the ULB have a specific department or cell responsible for service provision to slums?		0
	Has the ULB provided individual water connections in the current year		0
	Has the ULB provided individual toilets in the current year		0
	Do 50% or more HHs have individual water connections?		0
	Do 50 % or more HHs have individual toilets?		0
	Composite score		1

PERFORMANCE ASSESSMENT SYSTEM (PAS) PROJECT

RELIABILITY ASSESSMENT

			FY 2016-17
No	Reliability parameters for water supply, wastewater, SWM and SWD		Y/N
1	Coverage		
	What is the basis of estimation of		
	HHs served with individual water supply connections	1. Through household surveys (1-5 yrs) 2. Through property tax/billing records 3. Number of residential connections 4. Past trends/surveys 5. Area covered by distribution network 6. Road covered by network length	
	Properties served with toilets (individual + community)	1. Through household surveys (1-5 yrs) 2. Through property tax records 3. Area covered by toilet facilities	
	Properties served with sewerage connections	1. through household surveys (1-5 yrs) 2. Through property tax records 3. Number of sewer connections 4. Past trends/surveys 5. Area covered by sewer network 6. Road length covered by sewerage	
	Households served with septic tank connections / twin pit system	1. Through household surveys (1-5 yrs) 2. Through property tax records or BU permission records 3. Past trends/surveys 4. Area covered by septic tank	
	HHs and establishments served by door to door collection	1. Through household surveys (1-5 yrs) 2. Quantity of waste collected 3. No. of wards served	
	How are records of HHs served by water supply maintained?	1. Computerised 2. Only Manual	
	How are records of properties served maintained for		
	Toilets	1. Computerised 2. Only Manual	
	Sewerage	1. Computerised 2. Only Manual	
	Onsite sanitation system	1. Computerised 2. Only Manual	
	Door to door collection of MSW	1. Computerised 2. Only Manual	
	How are connection registers maintained for		
	Water supply	1. Computerised 2. Only Manual	
	Sewerage	1. Computerised 2. Only Manual	
	Storm Water Drains		
	What is the basis of estimation of length of pucca and covered drains?	1. Ground level surveys (1-5 yrs) 2. Based on road maps (<5 yrs old)	
	How are flood prone points identified in the city?	1. Flood monitoring stations 2. Complaints/reports from citizens	

2	Coverage in slums	
	What is the basis of estimation of population/HHs in slums?	1. Recent Survey (1-3yrs) 2. Past Survey
	What is the basis of estimation of UWSS services provided in slums?	1. Recent Survey (1-3yrs) 2. Past Survey
	How are records of information on slums maintained for?	
	Water supply	1. Computerised 2. Only Manual
	Sewerage	1. Computerised 2. Only Manual
	Onsite sanitation system	1. Computerised 2. Only Manual
	Individual toilets	1. Computerised 2. Only Manual
	Door to door collection of MSW	1. Computerised 2. Only Manual
3	Water Production, treatment and consumption	
	Basis of measurement of water produced at WTP/tube wells	1. Bulk flow meters 2. Pump/level details
	Basis of measurement of water supplied from bulk distribution points	1. Bulk flow meters 2. Pump/level details 3. Periodic sample surveys
	How are records maintained at WTP/tube wells?	1. Computerised 2. Only Manual
	How are records maintained at bulk distribution points like ESRs, etc?	1. Computerised 2. Only Manual
4	Quality of Water	
	Are proper records of samples conducted and passed/failed at source, WTP/bore wells, bulk distribution points and consumer end maintained?	
	Are tests for quality conducted through	1. Own laboratory regularly 2. Accredited centres regularly 3. Third party agencies intermittently
	How are audits to monitor water quality procedures carried out?	1. by independent agencies periodically 2. ULB itself occasionally
	Record Keeping	1. Computerised 2. Only Manual
5	Continuity of water supplied	
	How is the duration of water supplied for the city estimated?	1. Valve operating points across zones 2. Periodic surveys 3. Feedback from city field engineers
	Is adequacy of pressure and hours of supply at consumer end assessed?	
	Record keeping	1. Computerised 2. Only Manual
6	Metering of Water Connections	
	Are meters installed at consumer level?	
	Extent of metering of connections	1. At all consumer points 2. Only bulk & commercial consumers
	How are functional meters assessed?	1. Regular reading and billing of meters 2. Spot checks
	How is household consumption estimated?	1. Meters installed at all consumer points 2. Periodic Survey 3. Spot Survey 4. Ferrule size and hours of supply
	Record Keeping	1. Computerised 2. Only Manual

7	Wastewater collection and treatment	
	How is quantity of wastewater collected by network estimated?	1. Bulk flow meters at inlet of treatment plant
		2. V-Notch at outlet of channel
		3. Installed Plant Capacity
	How is quantity of wastewater actually treated estimated?	1. Bulk flow meters at outlet of treatment plant
		2. V-Notch at outlet of channel
		3. Installed Plant Capacity
	How treatment plant system capacity is assessed?	1. Through rigorous testing and commissioning procedures
		2. On the basis of reliable operational data
		3. No estimate of treatment capacity that is actually functional and in operation
	How is quantity of septage collected estimated?	1. Bulk meters at inlet of treatment plant
		2. Register maintained for number and volume of trucks emptier at the treatment
		3. Installed Plant Capacity
		4. Number of septic tank cleaned annually
	How quantity of septage actually treated estimated?	1. Weighing scale at outlet of treatment plant
		2. Installed Plant Capacity
	Record keeping	1. Computerised
		2. Only Manual
8	Quality of Wastewater	
	Are proper records of samples conducted and passed/failed for all parameters (BOD, CO	
	Are tests for quality conducted through	1. Own laboratory regularly
		2. Accredited centres regularly
	How are audits to monitor waste water quality procedures carried out?	1. by independent agencies periodically
		2. ULB itself occasionally
	Record keeping	1. Computerised
		2. Only Manual
9	SWM	
	How is quantity of waste generated estimated?	1. Quarterly/ sample surveys
		2. Per capita waste generation
	How is quantity of waste segregated estimated?	1. Measurement at treatment/disposal site
		2. HHs & establishments with two bins
		3. inputs from door to door collection agencies
	Estimation of municipal waste received at	
	Treatment plant	1. Weighbridge
		2. On the basis of Trips
		3. Aggregate mass balance
		4. Installed capacity
	Scientific landfill	1. Weighbridge
		2. On the basis of Trips
		3. Aggregate mass balance
		4. Installed capacity
	Open dumps	1. Weighbridge
		2. On the basis of Trips
		3. Aggregate mass balance
	Record keeping at	
	Treatment plant	1. Computerised
		2. Only Manual
	Scientific landfill	1. Computerised
		2. Only Manual
	Open dumps	1. Computerised
		2. Only Manual

10	Finance	
	Is regular (quarterly/annual) reporting of the financial statements conducted to state/cen	
	Are arrears segregated from current demand in financial statements/budgets?	
	Extent of segregation of budget heads for	
	Water supply	1. Fully
		2. Partially
	Sewerage	1. Fully
		2. Partially
	SWM	1. Fully
		2. Partially
	Accounting System	1. Accrual-Double entry
		2. Cash Based
		3. Both systems
	Are records maintained for charges collected against the specific bill issued?	1. Water Supply
		2. Sewerage
		3. SWM
	Are DCB tables linked to billing and collection system?	
	Billing systems	1. Computerised
		2. Only Manual
	Are billing and collection records regularly updated?	
	Record keeping	1. Computerised
		2. Only Manual
11	Complaint Redressal System	
	Are records of complaints resolved maintained?	
	Water supply	
	Sewerage	
	SWM	
	System for Collating, sorting and tracking of complaints	
	Water supply	1. Computerised
		2. Only Manual
	Sewerage	1. Computerised
		2. Only Manual
	SWM	1. Computerised
		2. Only Manual
	Records of types of complaints (low water pressure, no water, sewer blocks, etc) mai	
	Water supply	
	Sewerage	
	SWM	
	anisms to register complaints (through telephone, in person, by email) available to	
	Water supply	
	Sewerage	
	SWM	
	Remark	
	Remark	